

**What is claimed is:**

1. A gateway server, comprising:  
a convert section converting a first contents  
into a second contents, wherein said first contents is  
received from a contents server in response to a  
request of a small terminal and said second contents  
corresponds to a display performance of a display  
section of said small terminal; and

an output section outputting said second  
contents to said small terminal.

2. The gateway server according to Claim 1,  
wherein said small terminal is one of a portable  
wireless telephone, a PHS terminal and a personal  
digital assistant.

3. The gateway server according to Claim 1,  
wherein said second contents can be displayed in said  
display section.

4. The gateway server according to Claim 1,  
wherein said convert section judges whether said first  
contents is a picture contents, and when said first  
contents is not said picture contents, said convert  
section does not convert said first contents into said  
second contents.

5. The gateway server according to Claim 1,  
wherein said convert section does not convert said  
first contents into said second contents, when said  
first contents is received from said contents server  
5 in response to a request of a non-small terminal other  
than said small terminal, and

wherein said output section outputs said first  
contents to said non-small terminal.

6. The gateway server according to Claim 1,  
wherein said display performance corresponds to the  
number of display pixels of said display section.

7. The gateway server according to Claim 1,  
wherein said display performance corresponds to the  
number of display colors of said display section.

8. A contents obtaining system, comprising:  
a terminal having a display section to display  
a contents;  
a contents server storing a contents; and  
5 a gateway server arbitrating a communication  
between said terminal and said contents server, and  
wherein said terminal outputs a first request  
of obtaining a needed contents to said gateways server,  
and  
10 wherein said gateway server outputs a second

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request of obtaining said needed contents to said contents server in response to said first request, and wherein said contents server outputs said needed contents to said gateway server in response to

15 said second request, and

wherein said gateway server converts said needed contents into a specific contents, wherein said specific contents corresponds to a display performance of said display section of said terminal, and

20 wherein said gateway server outputs said specific contents to said terminal.

9. The contents obtaining system according to Claim 8, wherein said gateway server judges whether said needed contents is a picture contents, and

5 wherein when said needed contents is not said picture contents, said gateway server does not convert said needed contents into said specific contents and said gateway server outputs said needed contents instead of said specific contents to said terminal.

10. The contents obtaining system according to Claim 8, wherein said terminal is one of a small terminal and a terminal other than said small terminal, and

5 wherein when said terminal is said small terminal, said terminal outputs said first request of

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obtaining said needed contents to said gateways server,  
said first request including a information indicating  
that said terminal is said small terminal, and

10       wherein said gateway server does not convert  
said needed contents into said specific contents when  
said gateway server does not receive said information.

11.      A contents obtaining method, comprising:

      (a) outputting a first request of obtaining a  
contents to a gateways server from a terminal;

5       (b) outputting a second request of obtaining  
said contents to a contents server from said gateway  
server in response to said first request;

      (c) outputting said contents to said gateway  
server from said contents server in response to said  
second request;

10       (d) converting said contents into a specific  
contents in said gateway server, wherein said specific  
contents corresponds to a display performance of a  
display section of said terminal; and

15       (e) outputting said specific contents to said  
terminal from said gateway server.

12.      The contents obtaining method according to  
Claim 11, further comprising:

      (f) judging whether said contents is a picture  
contents, and

5       wherein when said contents is not said picture  
contents as the result of said (f), said (d) is not  
performed and said (e) includes outputting said  
contents instead of said specific contents to said  
terminal from said gateway server.

13.     The contents obtaining method according to  
Claim 11, wherein said terminal is one of a small  
terminal and a terminal other than said small terminal,  
and

5       wherein when said terminal is said small  
terminal, said (a) includes outputting said first  
request of obtaining said contents to said gateways  
server from said terminal, said first request  
including a information indicating that said terminal  
10 is said small terminal, and

          wherein said (d) is not performed when said  
gateway server does not receive said information.

14.     A computer readable recording medium for  
recording a program for a process, comprising:

          (a) converting a first contents into a second  
contents, wherein said first contents is received from  
5 a contents server in response to a request of a small  
terminal and said second contents corresponds to a  
display performance of a display section of said small  
terminal; and

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(b) outputting said second contents to said  
10 small terminal.

15. The computer readable recording medium for  
recording a program for a process according to Claim  
14, wherein said small terminal is one of a portable  
wireless telephone, a PHS terminal and a personal  
5 digital assistant.

16. The computer readable recording medium for  
recording a program for a process according to Claim  
14, wherein said second contents can be displayed in  
said display section.

17. The computer readable recording medium for  
recording a program for a process according to Claim  
14, further comprising:

(c) judging whether said first contents is a  
5 picture contents; and

wherein said (a) is not performed when said  
first contents is not said picture contents as the  
result of said (c).

18. The computer readable recording medium for  
recording a program for a process according to Claim  
14, wherein said (a) is not performed when said first  
contents is received from said contents server in

5 response to a request of a non-small terminal other  
than said terminal, and

wherein said (b) includes outputting said first  
contents to said non-small terminal when said (a) is  
not performed.

19. The computer readable recording medium for  
recording a program for a process according to Claim  
14, wherein said display performance corresponds to  
the number of display pixels of said display section.

20. The computer readable recording medium for  
recording a program for a process according to Claim  
14, wherein said display performance corresponds to  
the number of display colors of said display section.